

Applicant : Claire Hartmann-Thompson
Appln. No. : 10/694,027
Page : 2

In the Specification:

Please replace the paragraph beginning at page 8, line 28 with the following rewritten paragraph:

Chemically sensitive (sensory) functional groups are functional groups that are capable of interacting with an analyte of interest (e.g., a chemical vapor). Interaction of the functional groups with the analyte results in a change in a measurable property ~~of~~ or characteristic (e.g., electrical resistance, mass, etc.) of the composite material. Such interactions include chemical bonding, dipole-dipole interactions, chemical adsorption, physical adsorption, and the like.

Please replace the paragraph beginning at page 10, line 24 with the following rewritten paragraph:

The composites of this invention exhibit improved mechanical properties as compared with conventional sensor materials, including better strength properties and better aging performance (i.e., long term retention of mechanical and sensing properties). The composites of this invention also allow lower cost production of a variety of different sensor types (i.e., sensors responsive to different analytes) using the same matrix polymer with different functionalized fillers.